

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: PIONEER CORPORATION

Commissioner for Patents Washington, D.C. 20231

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), PIONEER CORPORATION, a Japanese corporation, certifies that it is an assignee of the patent applications and issued patents identified in the following chart by virtue of respective Assignment documents for each listed application and patent from the inventor(s) to PIONEER CORPORATION submitted to the U.S. Patent and Trademark Office.

Filing	Attorney	Application	Patent No.	Issue Date	Recordation Info.
Date	Docket No.	No.			Date; Reel/Frame
06/10/94	04478/041001	08/258,104	5,521,730	05/28/96	07/11/1994; 007077/0197
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12/29/95	041514-5011	08/581,382	5,666,340	09/09/97	03/28/1996; 007868/0925
02/14/96	041514-5012	08/599,963	5,742,243	04/21/98	04/18/1996; 007898/0248

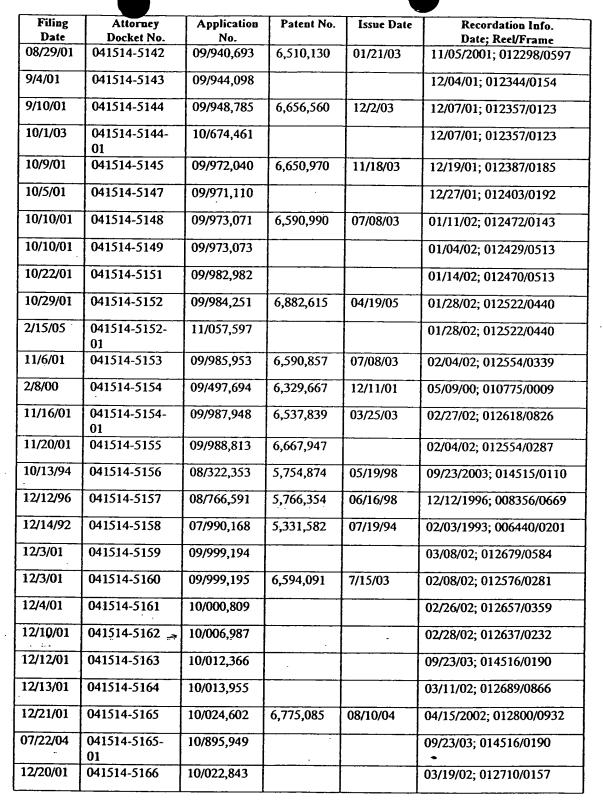
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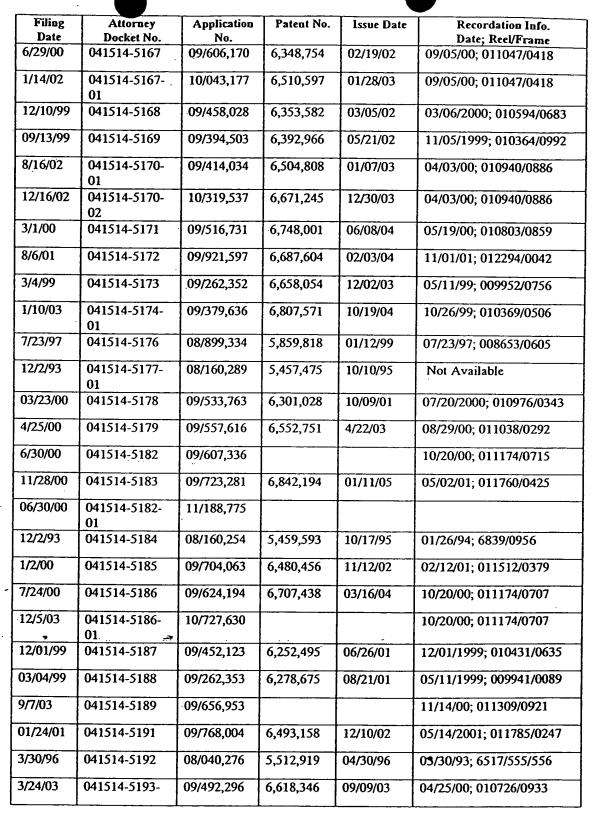
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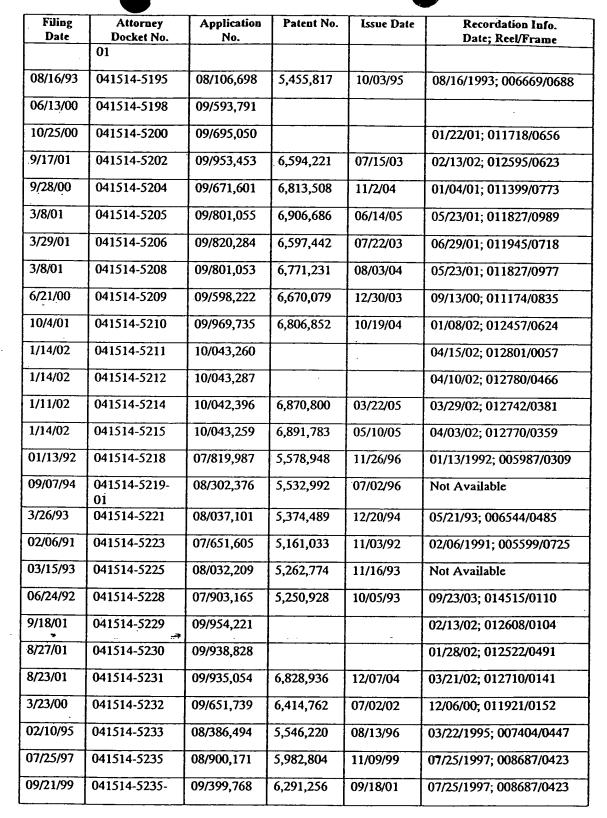
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10/11/00	041514-5092	09/685,893	6,710,755	03/23/04	01/29/01; 011477/0177
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11/13/00	041514-5098	09/709,625			05/01/01; 011764/0608
12/18/00	041514-5100	09/738,950	6,714,495	03/30/04	03/30/01; 011654/0762
12/18/00	041514-5101	09/738,949	6,804,185	10/12/04	04/19/01; 011711/0915
12/20/00	041514-5102	09/739,646	6,628,599	09/30/03	03/14/01; 011588/0461
7/23/03	041514-5102- 01	10/624,929			03/14/01; 011588/0461
3/27/01	041514-5103	09/817,246			04/10/01; 011680/0027
1/5/01	041514-5104	09/754,253	6,744,063	06/01/04	11/25/02; 013529/0814
1/22/01	041514-5105	09/765,306	6,885,616	04/26/05	04/23/01; 011702/0779
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2/8/01	041514-5107	09/778,846	6,504,813	01/07/03	04/30/01; 011764/0662
2/8/01	041514-5108	09/778,847	6,625,105	09/23/03	05/07/01; 011778/0423
2/14/01	041514-5109	09/782,525	6,429,981	08/06/02	05/16/01; 011809/0399
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3/9/01	041514-5111	09/801,877	6,501,708	12/31/02	08/03/01; 012064/0694
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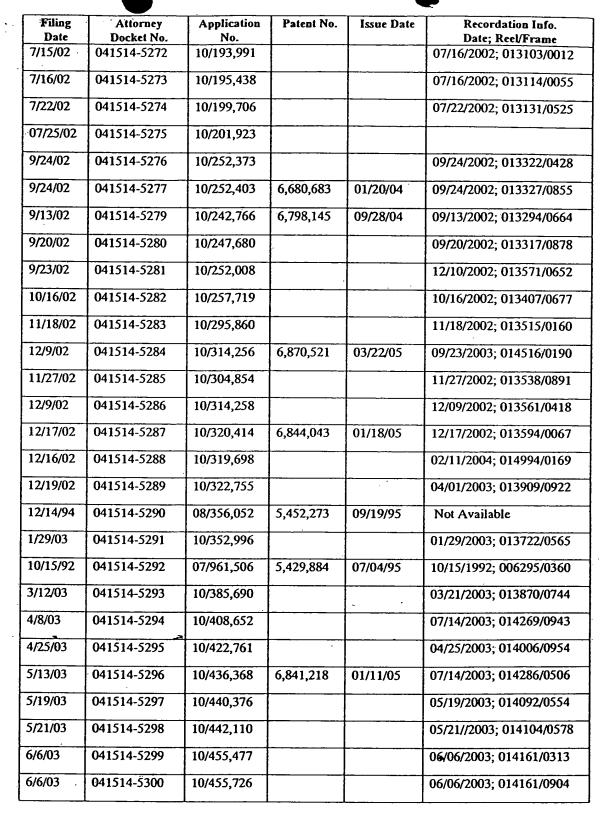
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6/21/01	041514-5122	09/885,286			10/04/01; 012224/0831
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6/21/01	041514-5126	09/885,526	6,690,500	02/10/04	10/09/01; 012249/0880
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7/3/01	041514-5131	09/897,413	6,542,454	04/01/03	10/19/01; 012271/0251
7/5/01	041514-5132	09/898,488	6,618,350	090/9/03	10/12/01; 012245/0919
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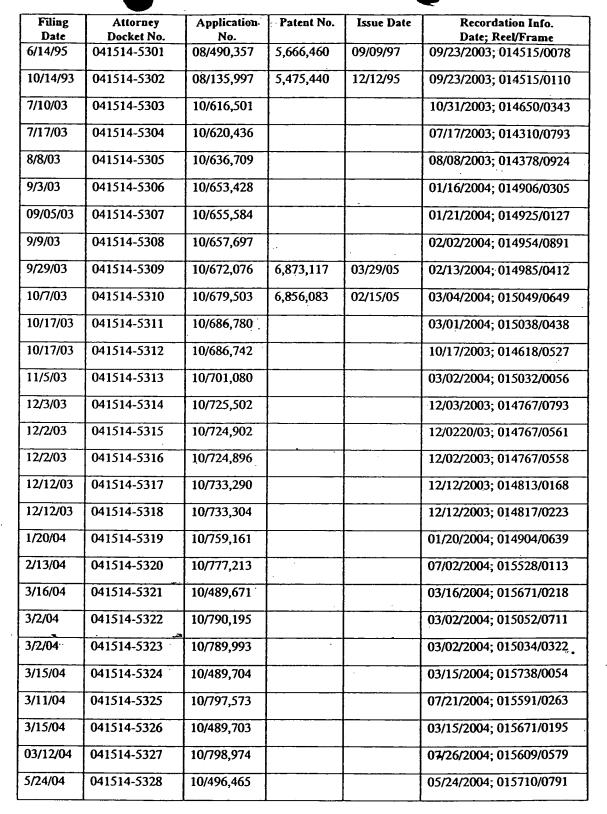


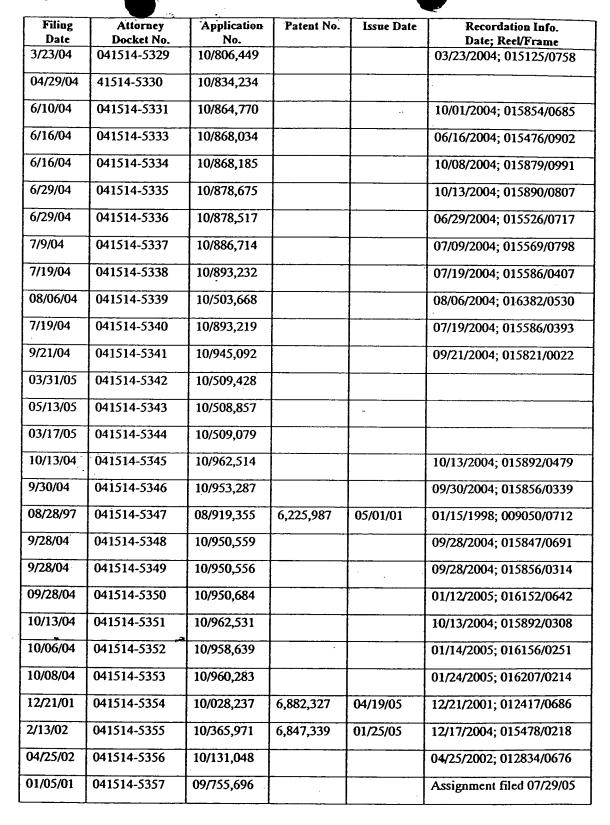


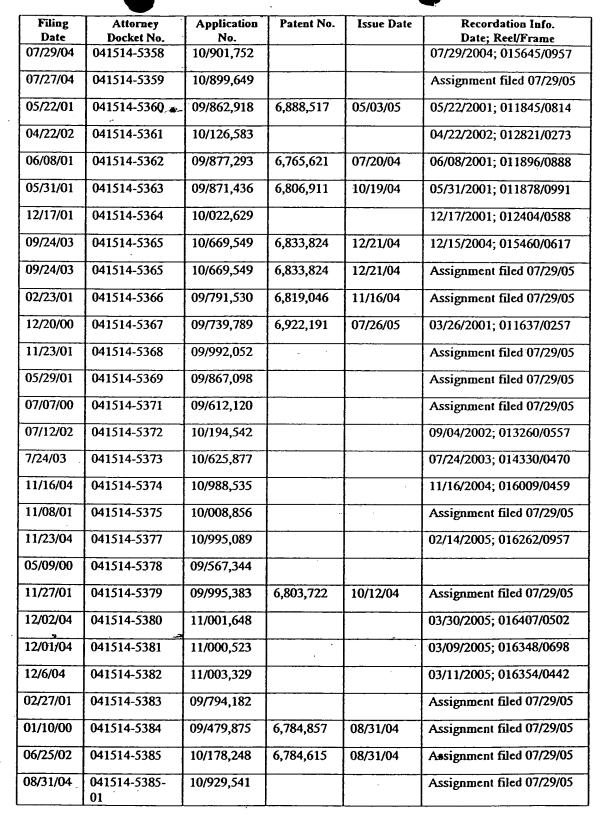


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The undersigned, whose title is supplied below, is empowered to act on behalf of assignee Pioneer Corporation.

Acting on behalf of assignee Pioneer Corporation, the undersigned hereby revokes all powers of attorney previously granted in these applications and patents and appoints:

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with full power of substitution and revocation, to prosecute the applications and to transact all business in the United States Patent and Trademark Office connected with these patent applications and issued patents.

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